

Part 573 Safety Recall Report

20V-343

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** JUN 11, 2020**NHTSA Recall No. :** 20V-343**Manufacturer Recall No. :** W47**Manufacturer Information :**

Manufacturer Name : Chrysler (FCA US LLC)

Address : 800 Chrysler Drive
CIMS 482-00-91 Auburn Hills MI
48326-2757

Company phone : 1-800-853-1403

Population :

Number of potentially involved : 67,248

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2014-2017 Jeep Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2014-2017 MY Jeep Cherokee vehicles were built with a two speed Power Transfer Unit ("PTU") that allows relative movement between the differential input splines and the transmission output shaft.

The suspect period began on April 14, 2014, when PTUs with a revised design started to be used in vehicle production, through October 10, 2016, when PTUs with more robust differential input splines started to be used in vehicle production. The vehicle population was determined by supplier and vehicle assembly traceability records.

Similar vehicles not included in this recall do not have a PTU, were built with a PTU of a different design, were built with differential input splines that are more robust, or have a feature that reduces the load on the differential input splines.

Production Dates : APR 14, 2014 - OCT 10, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Relative movement in the PTU between the differential input splines and the transmission output shaft may result in the teeth of the input splines wearing off, which may eventually cause a loss of engagement between the transmission and the differential inside the PTU. If this occurs, torque cannot be transferred between the front wheels and the transmission which results in a loss of motive power while the vehicle is in motion and a loss of the PARK function while stationary.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of motive power can cause a vehicle crash without prior warning. A loss of PARK function can cause a vehicle crash without prior warning and/or injury to others outside the vehicle.

Description of the Cause : NR

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : PTU Assembly

Component Description : Power Transfer Unit

Component Part Number : 68090605AJ, 68090605AK, 68090605AL, 68282447AA, 68282447AB, 68282447AC, 68307403AA, 68307403AB

Supplier Identification :

Component Manufacturer

Name : American Axle & Manufacturing

Address : One Dauch Drive
Detroit MICHIGAN 48211

Country : United States

Chronology :

- On February 25, 2020, FCA US LLC ("FCA US") Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation based on information from the FCA US Proactive Sensing group that some Jeep Cherokee reports were alleging a loss of motive power and/or loss of PARK function. The most common repair associated with these reports was a replacement of the PTU.
- In March and April 2020, FCA US VSRC met with FCA US Powertrain Quality and FCA US Powertrain Engineering to review claim information associated with PTU replacements where a loss of motive power or PARK function was alleged in order to investigate common root causes and failure modes.
- In May 2020, FCA US VSRC and Powertrain Engineering identified differential input spline failure inside the PTU as a common root cause in claims that alleged a loss of motive power and/or loss of PARK function.

- As of May 28, 2020, FCA US has identified 15 CAIRs, 829 warranty claims, and 3 field reports potentially relating to this issue.
- As of May 28, 2020, FCA US is aware of 1 accident and 0 injuries potentially relating to this issue.
- On June 04, 2020, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a Voluntary Safety Recall to flash the affected vehicles with software that will maintain vehicle propulsion by engaging rear wheel drive and prevent rolling in PARK by activating the parking brake if a failed input spline occurs.

FCA US has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, FCA US, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

How Remedy Component Differs from Recalled Component : The remedy component will be a software flash that, if failure of the input splines occurs, causes a MIL to illuminate, rear axle engagement to prevent a loss of motive power, and electronic parking brake activation when the vehicle is in PARK to prevent a loss of PARK function.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : **06/11/2020: FCA US will notify dealers and begin notifying owners on or about 07/31/2020.

Planned Dealer Notification Date : JUL 31, 2020 - JUL 31, 2020

Planned Owner Notification Date : JUL 31, 2020 - JUL 31, 2020

* NR - Not Reported